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	Subject: Estimation of Pollutant Loadings Discharge to Deep Bay from Proposed Development		Calc.Sheet No. Page
	Drawing Ref. -	Calculations by WT	Checked by JC

Ref.	
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## Appendix 6.4 Estimation of Pollutant Loadings to Deep Bay from Proposed Development

### 1. Effluent Standard to be Achieved

Assumptions:

- The performance of the proposed treatment works should achieve the effluent standard

Load Type	Treatment Performance	
SS (mg/L)	<	2
BOD (mg/L)	<	10
TN (mg/L)	<	8
NH <sub>3</sub> N (mg/L)	<	1
E. Coli. (CFU/100mL)	<	10

### 2. Calculation of sewage load from treated effluent from STW

Total pollution load to be discharged from STW with 10% of passengers using toilet

Load Type	Loading	
SS (kg/d)	<	0.66
BOD (kg/d)	<	3.28
TN (kg/d)	<	2.62
NH <sub>3</sub> N (kg/d)	<	0.33
E. Coli. (no./d)	<	3.28E+07

Total pollution load to be discharged from STW with with 15% of passengers using toilet

Load Type	Loading	
SS (kg/d)	<	0.78
BOD (kg/d)	<	3.88
TN (kg/d)	<	3.10
NH <sub>3</sub> N (kg/d)	<	0.39
E. Coli. (no./d)	<	3.88E+07